PME RESEARCH LABORATORY, SEPTEMBER 1980

PROJECT TITLE : AGRICULTURAL CHEMICALS

PERIOD COVERED : SEPTEMBER 1980

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ROUTINE ANALYSES

Number of samples analyzed for pesticide residues in September:

Organocholorine	104
Organophosphorus	66
Organophosphorus + Methamidophos	24
Dithiocarbamate	91
Maleic Hydrazide	98
Ridomil	8

NEW ANALYTICAL METHODS

Maleic Hydrazide (1):

The reaction of maleic hydrazide with methyl iodide in methanol in the presence of K_2CO_3 or with dimethyl sulfate in 10 % KOH-solution in both cases gives low melting crystalline products. The products which are formed in high yields can be re-crystallized from cyclohexane. Both compounds when dissolved in dichloromethane show in the gas chromatogram a single, sharp peak with identical retention times. We assume the compound to be dimethoxy pyridazine. The compounds have been sent to the Analytical Service Group for identification.

REFERENCE

(1) M. Speck, PME Research Lab, Monthly Progress Report, July 1980.

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Source: https://www.industrydocuments.ucsf.edu/docs/hyml0000